

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services  
Division of Environmental Health, 11 SHS  
(207) 287-5672 FAX (207) 287-4172

## PROPERTY LOCATION

City, Town, or Plantation LAMOINE  
Street or Road WALKER ROAD  
Subdivision, Lot # #239

>> CAUTION: LPI APPROVAL REQUIRED <<

Town/City LAMOINE Permit # 1719  
Date Permit Issued 10/26/13 Fee \$ 250 Double Fee Charged ( )  
[Signature] L.P.I. # 1040  
Local Plumbing Inspector Signature

## OWNER/APPLICANT INFORMATION

Name (last, first, MI) KARST, JOHN ☒ Owner ☐ Applicant

Mailing Address of 239 WALKER ROAD  
☒ Owner ☐ Applicant  
LAMOINE, ME. 04605

Daytime Tel. #

The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with the application and the Maine Subsurface Wastewater Disposal Rules.

Municipal Tax Map # 4 Lot # 7

## OWNER OR APPLICANT STATEMENT

I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a permit.

Signature of Owner or Applicant [Signature]

Date 10/26/2013

## CAUTION: INSPECTION REQUIRED

I have inspected the installation authorized above and found it to be in compliance with Subsurface Wastewater Disposal Rules Application.

N/A  
(1st Date Approved)

9/19/14  
(2nd Date Approved)

[Signature]  
Local Plumbing Inspector Signature

## PERMIT INFORMATION

### TYPE OF APPLICATION

- ☒ 1. First Time System  
☐ 2. Replacement System  
Type Replaced: \_\_\_\_\_

Year Installed: \_\_\_\_\_

- ☐ 3. Expanded System  
☐ a. < 25% Expansion  
☐ b. ≥ 25% Expansion  
☐ 4. Experimental System  
☐ 5. Seasonal Conversion

### SIZE OF PROPERTY

10 1/2 sq. ft. ☐ acres

### SHORELAND ZONING

☐ Yes ☒ No

### THIS APPLICATION REQUIRES

- ☒ 1. No Rule Variance  
☐ 2. First Time System Variance  
☐ a. Local Plumbing Inspector Approval  
☐ b. State & Local Plumbing Inspector Approval  
☐ 3. Replacement System Variance  
☐ a. Local Plumbing Inspector Approval  
☐ b. State & Local Plumbing Inspector Approval  
☐ 4. Minimum Lot Size Variance  
☐ 5. Seasonal Conversion Permit

### DISPOSAL SYSTEM TO SERVE

- ☒ 1. Single Family Dwelling Unit, No. of Bedrooms: 3  
☐ 2. Multiple Family Dwelling, No. of Units: \_\_\_\_\_  
☐ 3. Other: (SPECIFY) \_\_\_\_\_

Current Use: ☐ Seasonal ☐ Year Round ☒ Undeveloped

### DISPOSAL SYSTEM COMPONENT(S)

- ☒ 1. Complete Non-engineered System  
☐ 2. Primitive System (graywater & alt. toilet)  
☐ 3. Alternative Toilet, specify: \_\_\_\_\_  
☐ 4. Non-engineered Treatment Tank (only)  
☐ 5. Holding Tank, \_\_\_\_\_ gallons  
☐ 6. Non-engineered Disposal Field (only)  
☐ 7. Separated Laundry System  
☐ 8. Complete Engineered System (2000 gpd or more)  
☐ 9. Engineered Treatment Tank (only)  
☐ 10. Engineered Disposal Field (only)  
☐ 11. Pre-treatment, specify: \_\_\_\_\_  
☐ 12. Miscellaneous components

### TYPE OF WATER SUPPLY

- ☒ 1. Drilled Well ☐ 2. Dug Well ☐ 3. Private  
☐ 4. Public ☐ 5. Other: \_\_\_\_\_

## DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

### TREATMENT TANK

- ☒ 1. Concrete  
☐ a. Regular  
☐ b. Low Profile  
☐ 2. Plastic  
☐ 3. Other: \_\_\_\_\_

CAPACITY 1000 gallons

### SOIL DATA & DESIGN CLASS PROFILE CONDITION

4 / C  
at Observation Hole # 1  
Depth 24"  
OF MOST LIMITING SOIL FACTOR

### DISPOSAL FIELD TYPE & SIZE

- ☒ 1. Stone Bed ☐ 2. Stone Trench  
☐ 3. Proprietary Device \_\_\_\_\_  
☐ a. Cluster Array ☐ c. Linear  
☐ b. Regular load ☐ d. H-20 load  
☐ 4. Other: \_\_\_\_\_  
SIZE 750 sq. ft. ☐ lin. ft.

### DISPOSAL FIELD SIZING

- ☒ 1. Medium - 2.6 sq. ft./gpd  
☐ 2. Medium-Large - 3.3 sq. ft./gpd  
☐ 3. Large - 4.1 sq. ft./gpd  
☐ 4. Extra Large - 5.0 sq. ft./gpd

### GARBAGE DISPOSAL UNIT

- ☐ 1. No ☐ 2. Yes ☐ 3. Maybe  
If Yes or Maybe, specify one below:  
☐ a. Multi-compartment Tank  
☐ b. \_\_\_\_\_ Tanks in Series  
☐ c. Increase in Tank Capacity  
☐ d. Filter on Tank Outlet

### EFFLUENT/EJECTOR PUMP

- ☒ 1. Not Required  
☐ 2. May be Required  
☐ 3. Required  
Specify only for engineered systems  
DOSE: \_\_\_\_\_ gallons

### DESIGN FLOW

270 gallons per day  
BASED ON  
☒ 1. Table 4A (dwelling unit(s))  
☐ 2. Table 4C (other facilities)  
SHOW CALCULATIONS for other facilities

☐ 3. Section 4G (meter readings)  
ATTACH WATER METER DATA  
LATITUDE AND LONGITUDE  
at Center of Disposal Area  
Lat. 44° 28' 30" N  
Lon. 68° 19' 00" W  
If g.p.s., state margin of error 30'

## SITE EVALUATOR STATEMENT

I certify that on 10-15-13 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

Site Evaluator Signature [Signature]

WILLIAM A. LaBELLE, JR.

Site Evaluator Name Printed

319

SE#

(207) 537-5900

Telephone Number

10-19-13

Date

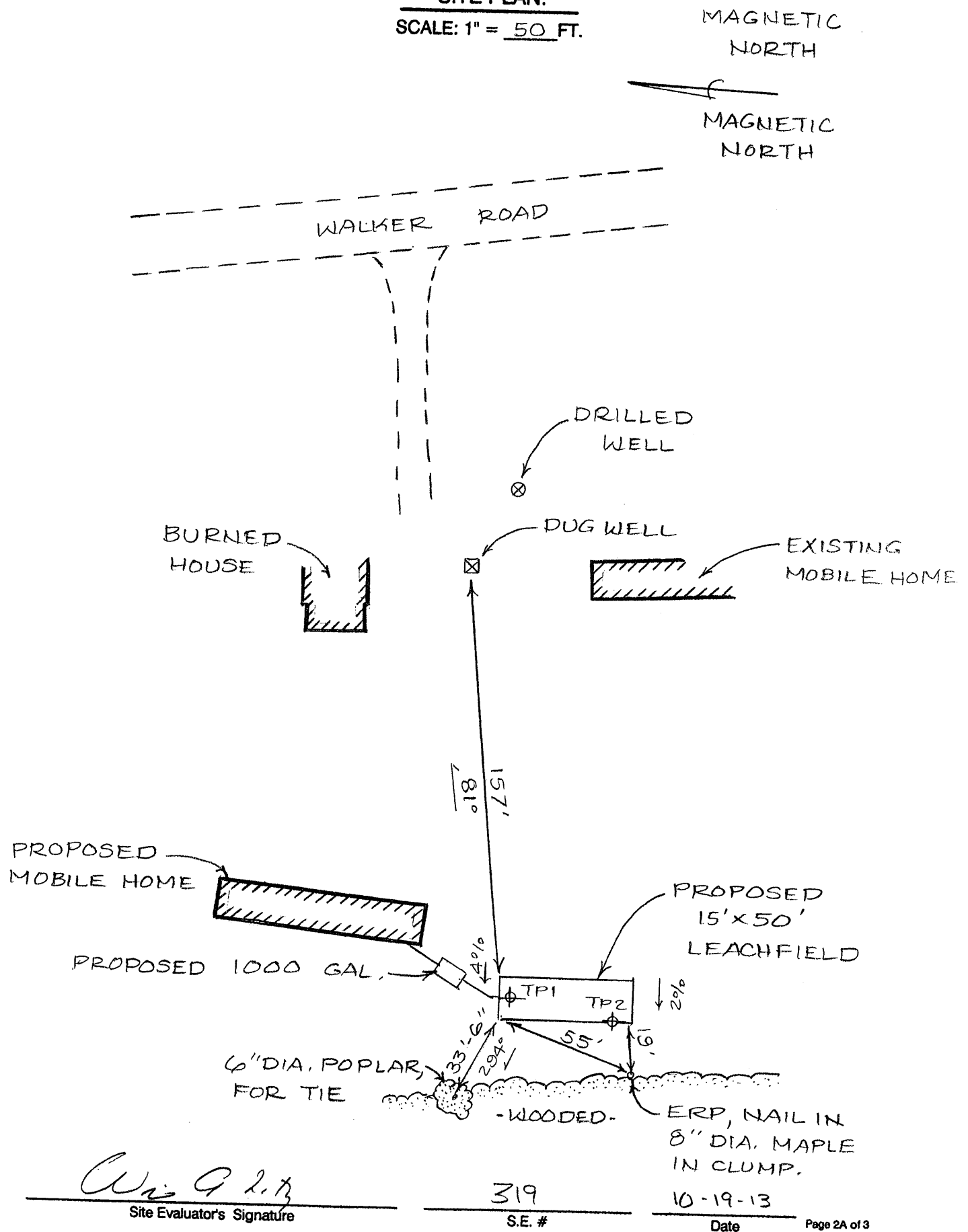
labelleseptic@rivah.net

E-mail Address

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

Town, City, Plantation LAMOINE	Street, Road, Subdivision WALKER ROAD	Owner or Applicant Name JOHN KARST
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**SITE PLAN:**  
SCALE: 1" = 50 FT.



*W. G. L. B.*  
Site Evaluator's Signature

319  
S.E. #

10-19-13  
Date

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Maine Dept. of Health & Human Services  
Division of Environmental Health, 11 SHS  
(207) 287-5672 FAX (207) 287-4172

Town, City, Plantation

LAMOINE

Street, Road, Subdivision

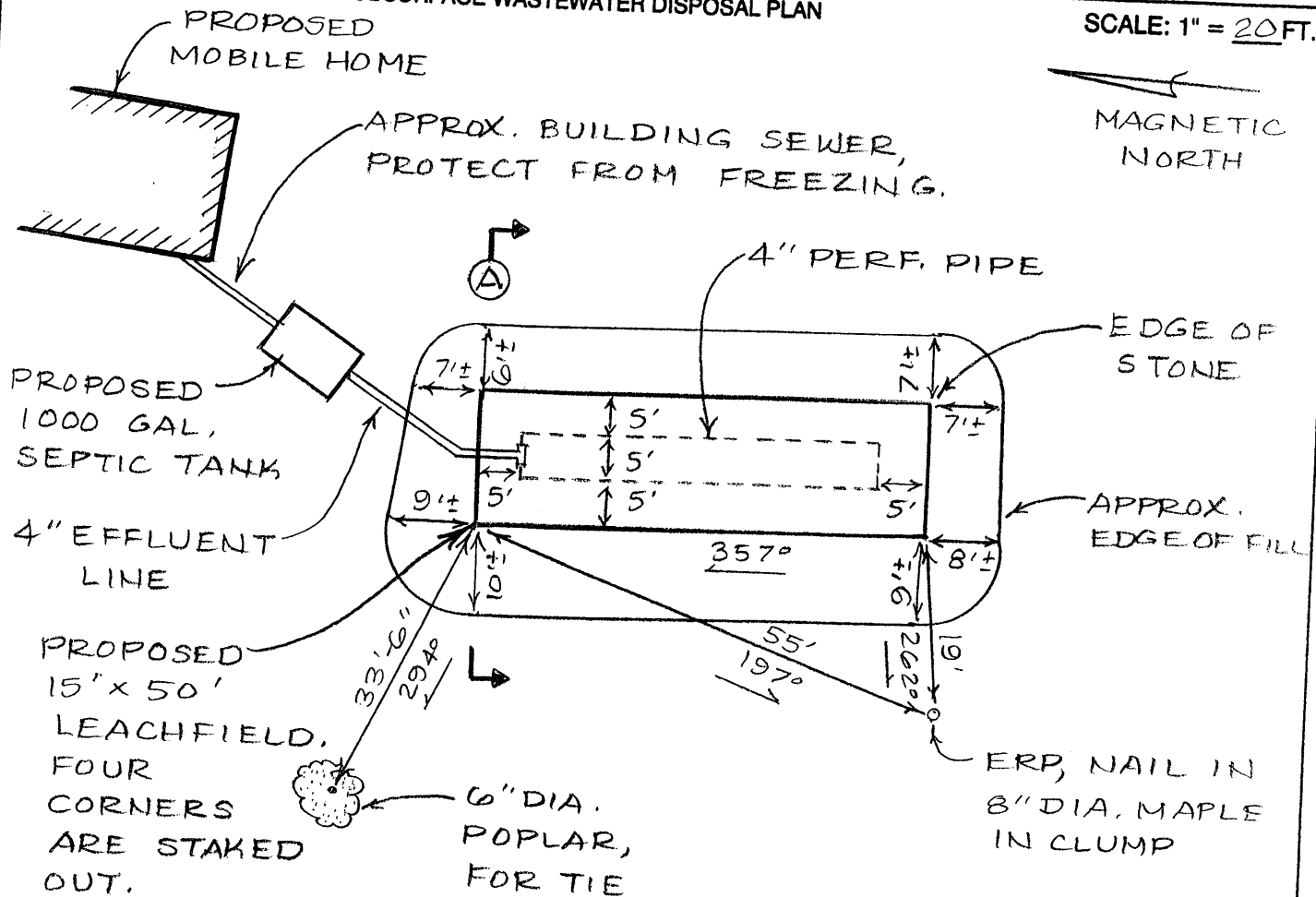
WALKER ROAD

Owner or Applicant Name

JOHN KARST

## SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 20 FT.



### FILL REQUIREMENTS

Depth of Backfill (Upslope) 12"

Depth of Backfill (Downslope) 16"-19"

Depths @ cross-section shown below or on X-section detail.

### CONSTRUCTION ELEVATIONS

Finished Grade Elevation

Top of Distribution Pipe or Proprietary Device

Bottom of Disposal Field

SYSTEM: -36"

-49"

-60"

PRIVY: N/A

ELEVATION REFERENCE POINT

Location & Description NAIL 60"

ABOVE GROUND IN 8" DIA.

MAPLE IN CLUMP.

Reference Elevation is: 0"

### DISPOSAL AREA CROSS SECTION (SEE ATTACHED CROSS SECTION)

#### NOTES:

1. TANK(S) MUST BE 8' MINIMUM FROM BUILDING.
2. GRADE SURROUNDING AREA TO DIVERT SURFACE WATER AWAY FROM SYSTEM.
3. ALL WORK DONE ADJACENT TO WETLANDS AND WATER BODIES MUST BE DONE IN COMPLIANCE WITH SECTION 11-M OF THE SUBSURFACE WASTEWATER DISPOSAL RULES; EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN ACCORDANCE WITH THE MARCH 2003 EDITION OF THE MAINE DEP HANDBOOK "MAINE EROSION AND SEDIMENT CONTROL BMPS" (DEPLW0588).
4. INSTALL SEPTIC TANK RISERS 18" IN DIAMETER "MINIMUM" TO WITHIN 6" OF FINISH GRADE ON INLET, CLEANOUT AND OUTLET COVERS (RECOMMEND EXTENDING RISERS TO FINISH GRADE).
5. FULL BASEMENT BELOW GRADE FOUNDATION, FROST WALL OR COLUMNS MUST BE 20' MINIMUM FROM EDGE OF DISPOSAL FIELD AND SLAB ON GRADE MUST BE 15' MINIMUM FROM EDGE OF DISPOSAL FIELD.

Site Evaluator's Signature

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S.E. #

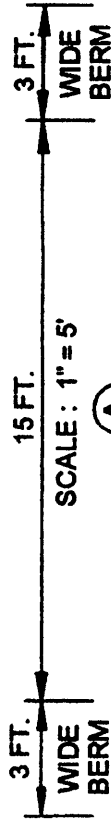
10-19-13

Date

# DISPOSAL BED CROSS SECTION

NOTE:

GRADE UPSLOPE TO  
DIVERT SURFACE  
WATER AWAY FROM  
SYSTEM.



(A)

FILL MATERIAL SHALL BE 8"-12" THICK  
OVER STONE AND SHALL BE GRAVELLY  
COARSE SAND TO THE STANDARDS IN  
SEC. 11-E IN THE SUBSURFACE RULES.

TOP 4" OF FILL TO BE A GOOD LOAM  
SOIL MIX TO ESTABLISH A GOOD  
VEGETATIVE COVER: SEED  
AND MULCH TO PREVENT EROSION,  
SEC. 11-G. FILL EXTENSIONS  
NO GREATER THAN 4:1,  
(25% SLOPE).

CROWN FINISH GRADE FROM CENTER AT 3% SLOPE

2" COMPRESSED HAY (OR FILTER FABRIC) SEC. 11-F,  
PLACED OVER STONE.

4" PERF.  
PIPE, TYPICAL

3%

3%



ORIGINAL GRADE

REMOVE VEGETATION AND SCARIFY  
ORIGINAL SOIL UNDER ENTIRE FILL AREA,  
SEC. 11-B.

LIMITING FACTOR

ELEVATIONS:

ELEV. REF. PT. (ERP):

FINISHED GRADE:

TOP OF DISTRIBUTION PIPE:

BOTTOM OF STONE:

0"  
-36"  
-49"  
-60"

OWNER:

LOCATION:

JOHN KARST  
LAMOINE

NOTE:

SYSTEM MUST BE INSTALLED ACCORDING  
TO THE RULES AND PRACTICES SET FORTH  
IN THE MOST CURRENT VERSION OF THE  
STATE OF MAINE SUBSURFACE WASTEWATER  
DISPOSAL RULES. INSTALLATION CONTRATOR  
MUST BE FAMILIAR WITH SAID RULES AND  
CONSTRUCT SYSTEM IN FULL COMPLIANCE  
WITH SECTION 11 OF SAID RULES.

THOROUGHLY MIX, DISK OR ROTO-TILL  
CLEAN, COARSE, SHARP SAND INTO  
TOP 4 INCHES OF ORIGINAL SOIL TO  
CREATE A TRANSITION ZONE, SEC. 11-B.

Wig 2.7

WILLIAM A. LABELLE, JR.

319

S.E.#

10-19-13

DATE

**Wastewater & Plumbing Control Program  
Division of Health Engineering  
Maine Department of Human Services**

**AFFIDAVIT OF SITE PREPARATION**

This affidavit is to be completed by a certified system installer and submitted to the Local Plumbing Inspector to document compliance with **Section 111.5.1** of the Maine Subsurface Wastewater Disposal Rules, **144 CMR 241**. *Permission to utilize this document in lieu of a site preparation inspection by the Local Plumbing Inspector must be verified when the permit is issued.* This affidavit is *not* to be utilized in place of the system inspection described in **Section 111.5.2** of the Rules.

INSTALLER NAME: KEVIN BARBEE  
(Please Print)

CERTIFICATION NUMBER: #26

SSWD PERMIT NUMBER: 1719

PERMIT ISSUE DATE: 10/26/13

PROPERTY OWNER NAME: JOHN KARST

PROPERTY ADDRESS: 239 Walker Road

MUNICIPALITY: Lamoine, ME 04605

By signing and submitting this document to the Local Plumbing Inspector, I certify that all construction activities noted in **Section 111.5.1** including removal of all vegetation from the disposal field area and fill extensions as specified in **Section 801.3**; roughening of the ground surface as specified in **Section 801.4**; establishment of a transitional horizon as specified in **Section 801.5**; and placement of erosion control devices as specified in **Section 801.2** have been completed in full compliance with the Maine Subsurface Wastewater Disposal Rules, **144 CMR 241** for the referenced SSWD permit.

INSTALLER SIGNATURE: K Barb

DATE SUBMITTED: 8/28/14

By signing and accepting this document from the Certified Installer, I acknowledge that a site preparation inspection was not conducted for the referenced SSWD permit.

LPI SIGNATURE: M/S

ACCEPTANCE DATE: 9/9/14